



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent application of

Q. Zhao et al.

Serial No.: 09/843,143

Group Art Unit: not yet assigned

Filed: April 27, 2001

Examiner: not yet assigned

For: COUPLED INDUCTOR DC/DC CONVERTER

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

RECEIVED
DEC 31 2003
TECHNOLOGY CENTER 2800

PETITION TO REINSTATE APPLICATION

A Notice of Abandonment was issued in the above-identified patent application on December 9, 2003. The undersigned requests reinstatement in view of the following facts.

The Commissioner is authorized to charge attorney's Deposit Account 50-2041 the \$130.00 to satisfy the Petition fee. However, it is the undersigned's position that no petition fee should be due since the error appears to be one made by the U.S. Patent Office. If any additional fees are required to grant this petition or to gain entry of the Response to Notice to File Missing Parts discussed below, the Commissioner is authorized to charge attorney's Deposit Account 50-2041 (Whitham, Curtis & Christofferson).

Attached hereto is a copy of the Response to Notice to File Missing Parts which was timely filed In the U.S. Patent Office on August 13, 2003 and copies of the documents filed therewith. Also attached is a copy of a date stamped receipt from the U.S. Patent Office

evidencing filing of the documents. Given that the Response was timely filed, the USPTO should now withdraw the abandonment and reinstate the case for consideration by the Examiner without incurring a Petition Fee.

Respectfully submitted,



Michael E. Whitham
Registration No. 32,635

Whitham, Curtis & Christofferson, PC
11491 Sunset Hills Road, Suite 340
Reston, Virginia 20190
703-787-9400

Customer Number 30743

00-117/123



IN THE U.S. PATENT AND TRADEMARK OFFICE

In re patent application of

Q. Zhao et al.

Serial No.: 09/843,143

Group Art Unit: Unknown

Filed: April 27, 2001

Examiner: Unknown

For: COUPLED INDUCTOR DC/DC CONVERTER

Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED
DEC 31 2003
TECHNOLOGY CENTER 2800

SUBMISSION OF ASSIGNMENT

Sir:

Kindly record and return to the undersigned the attached assignment from Qun Zhao, Fred C. Lee and Peng Xu to VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY, for the above-identified patent application. Enclosed is a check in the amount of \$40.00 to cover the recordation fee, charge any deficiencies in payment and credit any overpayments to Attorney's deposit account no. 23-1951.

Respectfully submitted,

A handwritten signature in black ink.

Michael E. Whitham
Reg. No.: 32,635

McGuireWoods LLP
1750 Tysons Boulevard, Suite 1800
McLean, VA 22102
(703)712-5000

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Qun Zhao Fred C. Lee Peng Xu Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>2. Name and address of receiving party(ies): Name: VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY Internal Address: Street Address: 146 Holden Hall, City: Blacksburg State: Virginia Zip Code: 24061 Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>	
<p>3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: July 16, 2001</p>	
<p>4. Application number(s) or patent number(s): Title: COUPLED INDUCTOR DC/DC CONVERTER If this document is being filed together with a new application, the execution date of the application is _____</p>	
<p>A. Patent Application No(s). 09/843,143 filed on April 27, 2001 B. Patent No(s). Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Kevin A. Reif, Esq. McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, VA 22102 (703)712-5000</p>	
<p>6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees 8. Deposit account number: 23-1951</p>	
<p>9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michael E. Whitham _____ Name of Person Signing Signature _____ August 13, 2001 Date Total number of pages including cover sheet: 2</p>	

RECEIVED
DEC 31 2003
TECHNOLOGY CENTER 2800

ASSIGNMENT OF INVENTION

WHEREAS, WE, Qun Zhao, Fred C. Lee and Peng Xu have invented certain new and useful improvements in COUPLED INDUCTOR DC/DC CONVERTER for which a United States Letters Patent application no. 09/843,143 was filed on April 27, 2001; and

WHEREAS, Virginia Polytechnic Institute & State University, an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at Blacksburg, Virginia hereinafter referred to as Assignee, is desirous of acquiring an interest in said invention and in any Letters Patent which may be granted therefor.

NOW THIS INDENTURE WITNESSETH, That for a valuable consideration, the receipt of which is hereby acknowledged, we hereby assign, sell and transfer unto the said assignee, the entire right, title and interest in and to inventions disclosed in said application and in and to any Letters Patent of the United States and in and to any Letters Patent or Inventor's Certificates of any and all foreign countries which may be granted therefor, and in and to any and all priority and/or Convention rights or benefits accruing or to accrue to us with respect to the filing or securing of patents in the United States and/or securing of patents or inventor's certificates in any and all countries foreign thereto.

AND WE hereby grant to assignee the right to apply in its own name for patents or inventor's certificates corresponding to the above invention in countries foreign to the United States.

AND WE hereby further agree to sign and properly execute such necessary and lawful papers for application for foreign patents and inventor's certificates for filing applications for United States, foreign patents and inventor's certificates for subdivisions of any applications for patent or inventor's certificate and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention and to perform such further acts as may be required to carry out the intent of this agreement as the assignee thereof shall hereafter require and prepare at assignee's expense.

Signed

Qun Zhao Dated 7/16/01
Qun Zhao

Fred C. Lee Dated 7/16/01
Fred C. Lee

Peng Xu Dated 7/16/01
Peng Xu

00-117/123

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re patent application of

Q. Zhao et al.

Serial No.: 09/843,143

Group Art Unit: Unknown

Filed: April 27, 2001

Examiner: Unknown

For: COUPLED INDUCTOR DC/DC CONVERTER

Assistant Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF ASSIGNMENT

Sir:

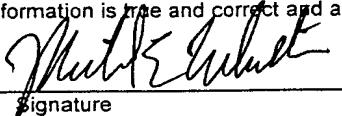
Kindly record and return to the undersigned the attached assignment from Virginia Polytechnic Institute & State University to VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., for the above-identified patent application. Enclosed is a check in the amount of \$40.00 to cover the recordation fee, charge any deficiencies in payment and credit any overpayments to Attorney's deposit account no. 23-1951.

Respectfully submitted,


Michael E. Whitham
Reg. No.: 32,635

McGuireWoods LLP
1750 Tysons Boulevard, Suite 1800
McLean, VA 22102
(703)712-5000

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY		A. Name and address of receiving party(ies): Name: VIRGINIA TECH INTELLECTUAL PROPERTIES, INC. Internal Address: Street Address: 1872 Pratt Drive, Suite 1625 City: Blacksburg State: Virginia Zip Code: 24060
Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no		Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		
Execution Date: July 24, 2001		
4. Application number(s) or patent number(s): Title: COUPLED INDUCTOR DC/DC CONVERTER If this document is being filed together with a new application, the execution date of the application is _____		
A. Patent Application No(s). 09/843,143 filed on April 27, 2001		B. Patent No(s).
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Kevin A. Reif, Esq. McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, VA 22102 (703)712-5000		6. Total number of applications and patents involved: <u>1</u>
		7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees
		8. Deposit account number: <u>23-1951</u>
9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
<u>Michael E. Whitham</u> Name of Person Signing		 Signature
		August 13, 2001 Date
		Total number of pages including cover sheet: <u>2</u>

RECEIVED
DEC 31 2003
TECHNOLOGY CENTER 2800

ASSIGNMENT

WHEREAS, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNOR), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at Blacksburg, Virginia, is the owner of the entire right, title and interest in and to application for United States Letters Patent Serial No. 09/843,143, filed on April 27, 2001, in the names of Qun Zhao, Fred C. Lee and Peng Xu for COUPLED INDUCTOR DC/DC CONVERTER and of the invention therein described; and

WHEREAS, Virginia Tech Intellectual Properties, Inc. (hereinafter referred to as ASSIGNEE), a non-stock corporation organized under the laws of the Commonwealth of Virginia and having a principal place of business at 1872 Pratt Drive, Suite 1625, Blacksburg, VA 24060, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Docket No.: 00-117/123

IN WITNESS WHEREOF, ASSIGNEE has caused the hand of its proper office
to be subscribed hereto this 24th day of JULY, 2001.

Witnessed by:

T K Gandy

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

CHarris
By: Minnis Ridenour CHARLES W. STEGER
Chief Operating Officer President